Vol.XIII No.2 February 1984 Second class postage paid at Dallas, Texas Postal identification

Published by Jim Cranshaw, N5FSL Monthly except July and August statement, page 2

Price: $8.50 yearly Single issue $1.00

THE HORN SPEAKER

THE NEWPAPER FOR
THE HOBBYIST OF VINTAGE
ELECTRONICS AND SOUND

"The Fugitive"—

By JAMES F. CONWAY

CAST OF CHARACTERS
FRANK, a chauffeur. ALICE, his wife.
FRED, her brother.

ALICE (*at telephone*) Lintock 4-1-9-5, please. Yes, please. Is this Sarah? This is Alice. How do you do, Sarah? You didn't come in this afternoon, as you promised. Tomorrow afternoon surely, then. Sarah, has Frank come back to the house there? No! Well, I'm awfully nervous, you know he should have been back hours ago. You haven't seen him since he left at ten this morning? Yes, Sarah, I know he is a careful driver but there are so many machines on the road now. Yes, I know I shouldn't be nervous, but what in the world can be detaining him? He hasn't called on the phone. Yes? Yes? Yes? I'll give up my fears, but I wish he would come home. Supper has been cold for hours. My brother Fred is coming in this evening. I expect him now. (*With catch in her voice*) Oh, Sarah, I do hope nothing has happened. Yes, a Happy New Year to you.

(*Sound of New Year's celebration outside.*)

Yes, Sarah, the children are fine. I put them to bed long ago, but they keep asking for daddy. (*Knocks at the door are heard.*) Sarah, some one is at the door, and it is Fred, I think. I'll say good-bye now, yes, good-bye, Sarah.

FRED: I wish you a Happy New Year, Alice, and to Frank and the boys. The crowd delayed me, or I should have been here—

ALICE: A very Happy New Year to you, Fred, I'm very glad you came. I've been very lonesome all evening. I've been waiting for Frank for the last five hours.

FRED (*cheerfully*): Probably the crowd has detained him as it did me. But you are nervous. There is no need for that. Frank knows how to take care of himself.

ALICE: I know Fred, but five hours is a long time, and there are so many machines on the road now. People are celebrating too, and maybe driving a little less careful than usual. (*Nervously*) I do hope nothing has happened to him, he hasn't called up or anything.

FRED: Oh, he was driving then? Where did he go?

ALICE: He went to Lindsay at ten on some business for the boss. He should have been back here by six, and here it is after eleven. I get more afraid every minute. (*Celebrators heard outside.*) This is a poor New Year's Eve for me. Of all nights in the year for this to——

FRED: Why look at the worst side of it now? Brace up and enjoy the noise outside. Let's turn on the radio, and I'm sure Frank will be back here in a jiffy. The traffic has been heavy on the road and he couldn't make time, that's all.

(See Fugitive page 2)

From a photograph made for POPULAR RADIO

A LIVE NEWS STORY IN THE AIR

The newspaper of the war future will not depend solely upon wires for collecting its information. Today stories are being received by city editors from reporters miles away who use radio-equipped motor cars. This picture shows W. F. B. McNeary of the Newark Sunday Call, receiving a news item by radio.

The Newspaper that Comes Through Your Walls

The "Radio Newspaper" Is No Longer a Theory; It Has Arrived—Abroad. In This Country the Wireless Is Being Used Both for Collecting and Disseminating News. This Article Tells How.

By HOMER CROY

IN Budapest there is a newspaper that has no printing presses and no newsboys. It is a large and flourishing newspaper and, as far as I know, all its subscribers are satisfied. It has never been "scooped" and there is little likelihood that such a catastrophe will soon happen. It begins to give its news to the public at nine o'clock in the morning and it does not stop until ten o'clock in the evening. On opera nights it does even better; on such occasions it stretches its service a little and gives its subscribers the opera.

The newspaper is called *The Telephone-Hirmondo* and has been in existence for twenty-eight years.

As its name implies it is a telephone newspaper. It furnishes news direct to its subscribers by an elaborate system of party lines. All a subscriber has to do is to step to the telephone and put the receiver to his ear. To each subscriber is furnished a schedule showing the hours different news goes out: local, national, world news, sports, fashions. Fiction stories are read to the subscribers, speeches are delivered; puzzles are told and English is taught to all who wish to learn it. Even serials running in local motion picture shows are read to subscribers; that night a person may go to the theatre and see for himself the story his news-

(See Newspaper page 2)

The Fugitive

ALICE: I wish I could brace up but I have a terrible feeling of dread somehow. Especially since the fortune teller told me to beware of accidents. (*Crying*) I wish I had never gone to her.

FRED: I told you not to place any faith in fortune tellers. You should never pay any attention to them. I'll tune in on the radio, that will be a little diversion. (*Radio music is heard for a moment.*)

Gee, that's swell music they are broadcasting tonight, isn't it? Listen to that jolly crowd outside.

ALICE: I can't enjoy it, my head is in a whirl. I'll go and make you some tea.

FRED: Not now, Alice, thanks. Listen to the program for a while. There. the announcer is on now. (*Short pause*). You heard that? He says a dangerous criminal has escaped from prison, at Lindsay, has killed two men while trying to take their machines, and has wounded a third while escaping with his car! All towns should be on the lookout! (*Music on the radio again.*) What the matter? Alice, you look pale!

ALICE: He killed two men while trying to take their machines! He—he killed two (*crying*) men while trying to—to—take—their.—Oh Frank, Frank, Frank. Oh Frank, why did you go, why did—did—you- u-u-u go?

FRED: This is all uncalled for. There are thousands of men with machines. Why should it be Frank?

"THE FUGITIVE" will be broadcast on Monday, March 15, at 11 p. m., from WRNY, the RADIO NEWS station in New York, as enacted by a full cast of professional players.

Other prize winners in the RADIO NEWS Play Contest will be published in subsequent issues of this magazine and similarly broadcast by WRNY. The first prize winner, "The Hidden Witness," was broadcast on February 15 from WRNY, where it was performed by the Radio Theatre Players.

ALICE: Oh, Oh, Oh, it must be, it must be! (*Celebration louder than ever outside.*) Oh, Oh, I knew it when he didn't call up, when he did—did—didn't call me up, he—always did before.

FRED: You must not allow yourself to think that way! Why don't you forget it for a little while? There the announcer is on again; he is giving the names of the men —(*a short pause*)

You see he said Bailer and Bellews were the names of the two men that the convict got—letters and cards were found in their pockets, so the names must be correct.

ALICE: Oh, Oh, Oh, I'll die! He said Bailer, but he got it wrong, it's Taylor, it's (*gasping*) Frank! It must be Frank, Oh, Oh———

FRED: What's the matter Alice, don't—don't faint—there—there—she has fainted, there now rest on the sofa. (*Nervous*) Bailer is pretty close to Taylor at that. I guess I'd better get her some water. (*Noise outside slowly dies out.*) She'll revive in a minute now, cold water is good. This has been a terrible evening for poor Alice, I—I wish Frank would come now. Alice—Alice—wake up dearest—gee—she's pale alright.

ALICE (*now reviving*) Oh—oh—Fred, has Frank come back yet?

FRED: He'll be here soon now, sis, don't fret any more, it isn't good. Have some of the water. (*Radio music plays again.*)

ALICE: Oh, my boys, my boys, are they safe, are they safe?

FRED: Don't rise now, Alice, rest awhile. The boys are sleeping.

ALICE (*crying*): I must see them—Oh, I'm so weak. (*going out.*)

FRED: The radio sounds beautiful in contrast to the excitement inside and outside tonight—gee—I wish Frank would come home, she's fretting a lot. But—but—Bailer—Bailer—is mighty close to Taylor—I pray it isn't true. Hope should spring eternal.

ALICE (*returning calmly*): What were you saying, Fred?

FRED: Hope should spring eternal, against any fear.

ALICE: I'm hoping, Fred, hoping. (*New Year's racket is heard faintly.*)

FRED (*exuberantly*): I hear steps on the stairs outside! It's him—It's him—! I'll open the door.

FRED: Why, hello, Frank! Where have you been keeping yourself?

ALICE (*joyously*): Frank, dear, I'm so glad you are safe!

FRANK: Happy New Year, Fred! I've been busy with a jailbird all evening!

FRED: Busy with a jailbird?

ALICE: I've been so worried about you—but I'm so glad nothing happened.

FRANK: I tried to call up but the line was busy. I've been busy too since five o'clock —I captured Rader the convict and turned him over to the Lindsay police!

FRED and ALICE (*simultaneously*): You captured Rader? But how?

FRANK: He held me up and tried to take my car—he turned for a moment. I knocked him out with a wrench and turned back to Lindsay with him. There they told me that he had killed two already today—I've been through red tape ever since.

ALICE: And weren't you afraid?

FRANK: Yes, I was afraid he'd take the car.

FRED: You know there is a reward of one thousand dollars? You'll get that of course?

FRANK: I get that tomorrow—they took my picture for the morning papers, too.

(See Fugitive page 5)

NEWSPAPER

paper has told him. Budapest's telephone newspaper is not an experiment; not some vague, uncertain, half-baked theory. It has been a success for more than a quarter of a century.

Germany is a step ahead of this! Just outside Berlin the German government has a newspaper that instead of sending out news by telephone, sends into the air. At certain hours it sends out government news, political news, sports and so on. But Germany rules its radio with a heavy hand; in this regard it takes itself very seriously. Every radio set which goes out is licensed and watched. The person who installs the set is allowed to receive but one kind of news; the government authorities see to that and lock the box. This is done by sending out different kinds of news on varying wavelengths; the owner of the set can receive only the kind his license calls for.

We would not stand for that in this country, but just the same there is an idea behind it—the radio newspaper is coming. It is assured. France and Italy both have been watching Germany's experiment with the radio newspaper and now are planning to install equipment for disseminating news—but on a much more liberal policy.

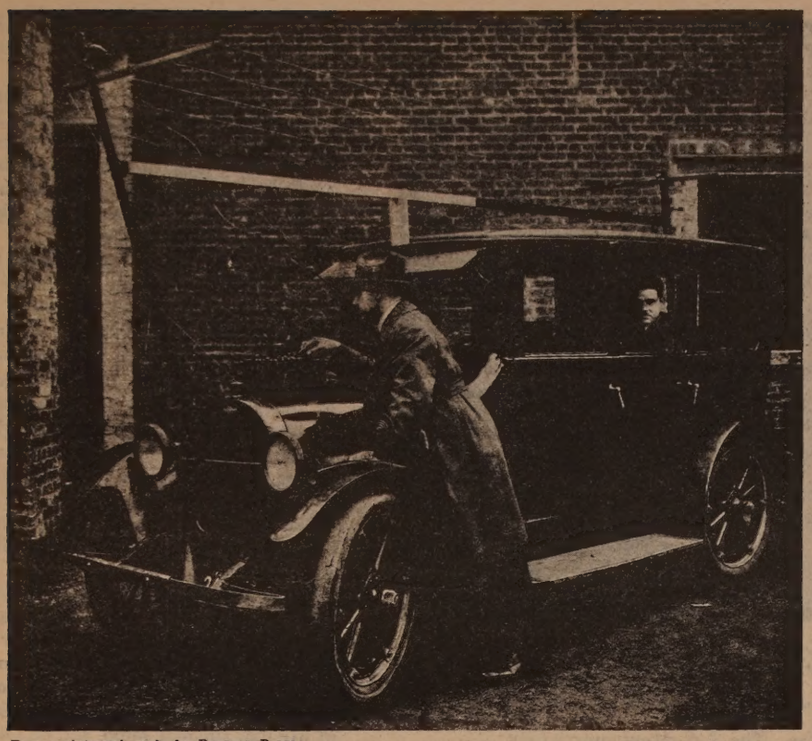
The United States has never gone into the radio newspaper as a governmental proposition, but in this country our newspapers are far and away ahead of European newspapers—when it comes to hitching up to radio of their own accord. Over there they are just beginning to scratch their heads and wonder if there isn't something in the idea, while in this country eight of ten individual newspapers are actually broadcasting.

It will be recalled that last summer the world was awaiting the outcome of a

THE PRESS GALLERY AT THE FIRST FOOTBALL GAME EVER BROADCASTED

The reporter using the telephone is "Sandy" Hunt, former Cornell guard, reporting the first intercollegiate contest that was ever described by radio, play by play, in October, 1921. The story was sent from the field to the operating room of station WJZ at Newark over a private wire, whence it was broadcasted. Several intercollegiate games were similarly reported later that season.

POSTAL IDENTIFICATION STATEMENT The Horn Speaker (USPS 956120) is published monthly, except July and August by Jim Cranshaw, N5FSL, 9820 Silver Meadow Drive, Dallas, Texas 75217. Subscription rates are $8.50 per year, $15.00 for two years. Second class postage paid at Dallas, Texas. POSTMASTER: SEND ADDRESS CHANGES TO MAIL ADDRESS: THE HORN SPEAKER, P. O. BOX 53012, DALLAS, TX 75253-0012. (ISSN 2537-1430)



From a photograph made for POPULAR RADIO

THE FIRST AUTOMOBILE TRANSMITTING STATION TO BE LICENSED

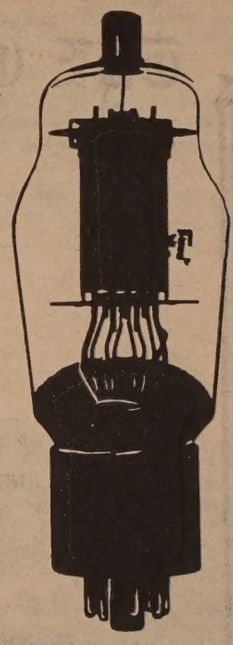
Equipped with a radio transmitting set, this car was sent out on a news assignment by the Newark Sunday Call on May 6, 1922—the first recorded instance of its kind. The car bears the call letters 2CNJ. In the picture Emery H. Lee, the radio inspector is seen measuring the wavelength, which was exactly 200 meters.

battle in Jersey City, where two men were stripped to their waists to fight for life or death. In all parts of the country the hours were counted on that day when Messrs. Dempsey and Carpentier drew crowds of excited fight fans to Boyle's Bowl. Newspapers found that there was but one "story" for them that day—all other happenings were small "items."

The Seattle Post-Intelligencer had an idea. Why not get the news to the people in and around Seattle fast—faster than presses could run? It was the first time such a thing had ever been tried. Steam was not behind it and arrangements were made with a local radio distributing company, and a sending outfit was engaged for the day. The paper spread it on the first page and Boyle's Bowl was practically taken up and dumped down in Seattle. The people in that city were almost as close to the two heated gentlemen as were the owners of the fifty-dollar seats. The fight was practically as much of a success in Seattle as it was in Jersey City. After the final and lamented fourth round, the paper thought the excitement was over; they told the radio company to come and take the equipment away.

But the next day the letters began to

7,000,000 TUBES

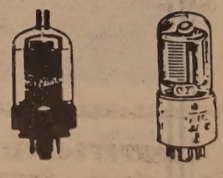


More than 7,000 different types in stock! All unused, tested and fully guaranteed. We have all those precious 'OLDIES' - the tubes you need to get those valued antique receivers back into action.

You can buy the specific tube you need from our catalog and/or one of our great assortments of rare old receiving tubes. These include some of the most frequently used tubes of the 20's, 30's, and 40's. Available while they last at these low-low prices.

Golden Oldie Assortment #1: 20 different radio tubes $15.00
Golden Oldie Assortment #2: 35 different radio tubes $25.00

Write today for free catalog and special tube offers!



UNITY ELECTRONICS

P.O. Box 213 • 107 Trumbull Street • Elizabeth, New Jersey 07206 • 201-351-4200 TELEX 139403

pour in. Why couldn't the paper give the subscribers news by radio all the time?

That would be biting off a big chunk, especially in view of the fact that never before had such a news service been rendered. But the newspaper sank its teeth and pried off an experiment. Now on top of the building it has a radio room and tower antennae 105 feet tall. Six hours a day it sends out news—anything, everything. It furnishes music for charity dances, civic organizations, luncheon parties, entertainments for graded schools to raise funds for baseball suits, entertainment for disabled soldiers, music and speeches for patients in hospitals; for style shows, hardware meetings and even helps teach radio in the high schools of the state. Every Friday night it hires an orchestra, brings it to its own sending room and puts on a dance program. Friday night radio dances are now being held not only in Seattle, but in Spokane, San Francisco, Portland, Vancouver, B. C., and even in Craig, Alaska. As if this were not enough, word came from a ship on the Pacific that its passengers had shaken a wicked foot in response to the same tintinnabulations. On top of this the Chamber of Commerce in Butte, Montana, wanted to have a social where their wives and sweethearts could be brought together. The radio brought them——.

At first it was thought that only residents in and around Seattle would be able to hear the radio programs, but such was not the case. The *S. S. Montgomery City* was 3,600 miles out in the Pacific when it picked up Seattle, and messages inland have gone as far as Minot, N. D. When the paper started its broadcast there were only 284 receiving sets within range; now, it is estimated, there are 20,000. That is how things have moved along in the world of radio.

REPORTING A WORLD'S SERIES BY RADIO

The sporting editor, G. A. Falzer, is here seen using an ordinary telephone for reporting the baseball games at the Polo grounds, New York, in 1921. But his telephonic talk went to a transmitting station, where it was broadcasted.

In the meantime the wheel of progress was rolling on in other parts of the United States. Newark, for instance, where you would not expect to find much hustle. And the experiment in radio was not by a daily, either, but by a Sunday paper—*The Newark Sunday Call.*

The World's Series came along, October 5th, 1921, and a man went to the Polo Grounds and there put the news on a telegraph line. In the office of the *Sunday Call* it was taken down and then hustled on a telephone line. This came to one of the editors in the newly established broadcasting station of the Westinghouse Company and there the man spoke into the transmitter and sent it up into the air.

The experiment was a success. Things began to move along for the paper and it originated bedtime stories for children, and started broadcasting news. This went out about half-past eight in the evening. It made such a success of it that the paper began broadcasting in the day time, beginning at ten o'clock in the morning and continuing throughout the day on the hour. Broadcasting breathed the breath of life into amateur radio, and on October 16th this paper started a radio department of two pages—the first radio section started by a newspaper. The people couldn't get enough of it. It was not long until a New York paper took a nibble—and

THE OLDE TYME RADIO COMPANY

2445 LYTTONSVILLE ROAD SILVER SPRING MD 20910

NEED HARD TO FIND OLDE TYME RADIO PARTS SUCH AS:

- *Vintage Tubes
- *AK Style Battery Cable
- *OLDE Tyme Hookup Wire
- *Brown Silk Type Power Cord
- *Audio Transformers
- *Power Transformers
- *Headphones
- *Headphone & Speaker Cords
- *Ant., RF, Osc, & IF Coils
- *Speaker Grill Cloth
- *Pilot Lamps
- *Ital Set Parts

AND MUCH, MUCH MORE. ALSO, AS A CONVENIENCE TO YOU, WE CAN EVEN PROVIDE COPIES OF THOSE EVER POPULAR BOOKS "VINTAGE RADIO" & "FLICK OF THE SWITCH" IN SOFT COVERS. SCHEMATICS OF MANY VINTAGE RADIO AND TV SETS ARE ALSO AVAILABLE. FOR FREE FLYER SEND SASE TO OLDE TYME RADIO COMPANY, @$$$ LYTTONSVILLE ROAD, SILVER SPRING, MD 20910.

WISH TO REACH US BY PHONE? THE NUMBER IS 301-585-8776. PLEASE CALL BETWEEN 7:00 and 11:00 PM LOCAL TIME ANY DAY OF THE WEEK.

then sank its teeth. Radio departments sprang up with the speed credited to toadstools, although personally I have never seen one do this amazing feat.

Newspaper after newspaper started departments until now two New York newspapers get out a whole magazine section each Saturday devoted to the wonders of wireless. But they were not content for long merely to run programs and conduct departments. *The Detroit News* began to broadcast; others began to itch, and now *The Hartford Courant*, started before the Revolutionary War began, has felt the urge of the latest departure in journalism. Other papers are taking it up; soon, no doubt, a metropolitan newspaper which does not broadcast will be considered quaint and a bit inclined to old-fashioned ways.

Two things may happen, and both of them, it must be known, are entirely in the realm of speculation. There is no definite fact to substantiate it—only a few straws blowing in the wind. In the future the newspapers will broadcast in their territories. St Louis will have newspapers sending out their silent appeals on different wavelengths; Omaha will be doing the same; Waco, Wheeling, Woonsocket. They will send out local news. For example: "George Washington Jones, the millionaire manufacturer of folding wash boards, was arrested this afternoon for speeding and was fined $4." The license numbers of stolen automobiles will be given out and the police departments will be assisted in recovering the missing property, as they have been already in several cities. Local, grain and crop markets will be sent out; whether wheat is up or down, what activity potatoes show and what chickens are doing—the domesticated variety, that is. Gossip, sports, local news items will go out.

On the other hand, a national newspaper may be established to send out on a different wavelength entirely different matter—news of national and international interest. Those who wish to hear about some peace parley in Europe can hook onto the big newspaper; those interested in home affairs can give the knob a twist to "local." The national newspapers will have the biggest and most famous contributors—even the President may use it.

But, anyway, the radio newspaper era is coming. How soon? No one knows. Maybe next year. This time last year no newspaper knew that it could broadcast; now the air is full of them. It would be no greater surprise than what has happened in the past year.

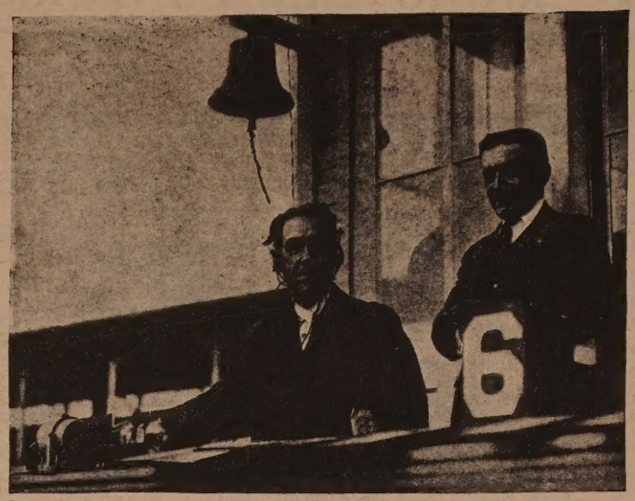
The newspaper reporter of the future will not go on the subway, or pegging along in a trolley. He will have his own automobile. Is there a wreck? A shooting? A catastrophe? The reporter will merely plant his ground wire and with his small sending set send the news back to the office. Other reporters will be out gathering up different threads; securing interviews, running down the police end of it. The "city room" will coordinate and simplify these reports. A re-write man will put it all in a connected story and then hand it to a stentor. The stentor will carry it to the sending room and up it will go into the ether. While the people are still being taken out of the wreck, those in their homes for hundreds of miles around will know about it.

"The building is still burning. Firemen with their oxygen helmets are feeling their way through the smoke . . . A child has been found . . . It is alive . . . It's mother is weeping"——

So the reports of the future will go out.

The idea seems fantastic? So did the application of radio to Boyle's Bowl a year ago.

There is only one safe bet about radio; and that is not to try to judge its future by its past.



© Harris & Ewing

THE FIRST TIME THAT A HORSE RACE WAS BROADCASTED

The methods of the race-track crooks who swindle guileless bettors by "tips" over private wires will have to change when racing news is reported by radio. The officials at the Bowie (Maryland) track recently transmitted the results of the races by radio—although in this particular picture the results are apparently being transmitted by a receiving set.

FUGITIVE

ALICE: And you get a thousand dollars, Frank, dear? (*Celebrations heard again; music stops on radio.*)

FRED: The announcer is on—listen—(*a short pause*)

FRED: Hear that, Frank! The announcer says the criminal Rader has been captured single-handed by Frank Taylor of this city. This entitles Mr. Taylor to the State's one thousand dollar reward, and to the additional five hundred offered by the Radio Association! (*music goes on again.*)

ALICE: Frank, you're the most wonderful—but you must be hungry—I'll have supper ready in a minute for you boys.

FRANK: Alright dear, I'm hungry, alright.

FRED: Gosh, Frank you're sure starting the new year right! Listen to that jolly racket outside—everybody's happy tonight alright. By the way—what are you going to do with the additional five hundred?

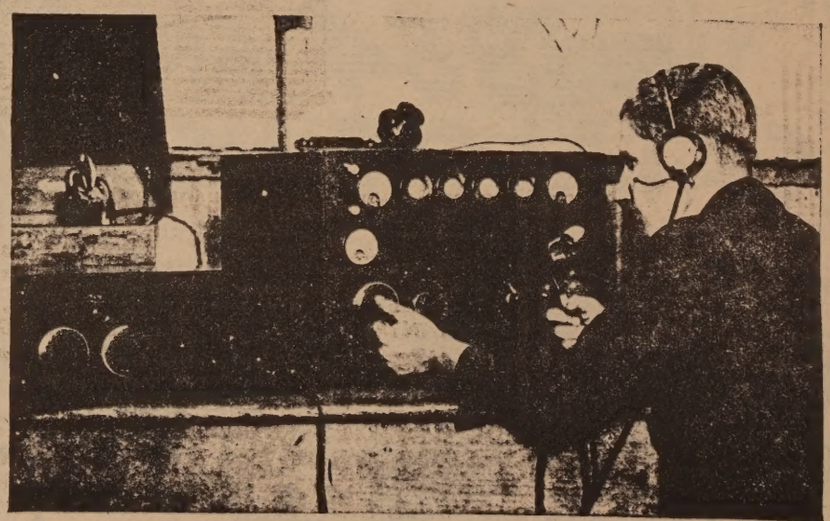
FRANK: New hats for Alice, toys for the boys, and a bigger radio for the house.

ALICE: Come boys, sit down, I'll have your supper in a hurry.

FRED: Ha! ha! ha! Then, Frank, we cercertainly can hope for a Happy, a Prosperous, and a Radio New Year.

THE END

Radio News for April, 1926



International

A DAILY NEWSPAPER THAT SENDS OUT NEWS BY RADIO

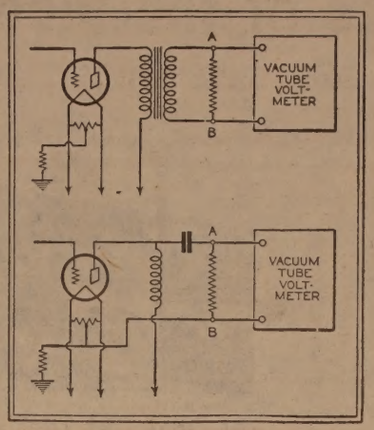
The San Francisco Examiner broadcasts both local items and news of national moment from its station in the Examiner Building, as well as the usual weather reports and market quotations.

Popular Radio, September 1922

RADIO NEWS INFORMATION SHEETS

Measuring the Power Output of an Amplifier

IN the measurement of the power output of a receiver or amplifier the experimenter or serviceman has often been perplexed as to the proper procedure. In order that the fidelity of reproduction may be obtained with any given amplifier, the output must be of such magnitude that the hall or room will be amply filled. From time to time power output charts and tables have been published, but these at best serve only as a rough or approximate guide as to the actual power delivered by the amplifier system. To better enable the experimenter and serviceman to determine the power output of any given installation the following method is given:



In the figure is shown the set-up of the apparatus for measuring amplifiers of both the filter and transformer output systems. The apparatus required is a resistance to represent the speaker load, which is inserted in place of the speaker winding across A and B, and a vacuum-tube voltmeter calibrated or converted to read effective voltage values instead of peak voltage values. The construction, function and operation of this instrument has been described and explained in past issues of RADIO NEWS.

The load resistance connected across A and B should have a value equal to the output impedance of the amplifier. This may be calculated in the case of the output transformer where R_p, the load resistance, is equal to two times the plate resistance of the power tube divided by n^2, which is the square of the ratio between the primary and secondary turns of the transformer. Usually the value of R_p is known or given more often than the value of n, in which case the above calculation is not necessary. The measuring frequency may be from 300 to 500 cycles. If a modulated radio-frequency signal is used it should be adjusted to 30 per cent. modulation.

Knowing the value of the effective voltage as measured by the v.t. voltmeter connected across A and B, and the value of the load resistance R_p, the current may be calculated from Ohm's law. The power developed across the load resistance R_p between A and B is equal to the square of the current times the value of R_p in ohms.

The same method of procedure is followed in the case of the filter output system where R_p is given a value equal to twice the plate resistance of the power tube.

RADIO NEWS FOR APRIL, 1931

YOU RECEIVE TWO COUPONS WORTH $1.00 EACH WITH OUR 1984 CATALOG NO. 22!!

PUETT ELECTRONICS

P.O. BOX 28572 DALLAS TX 75228 MasterCard VISA

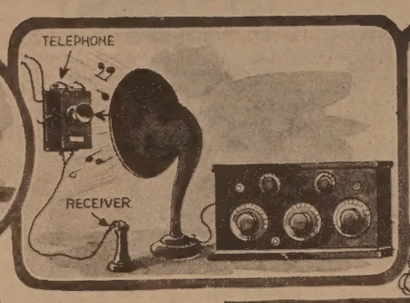
THE 1984 ANTIQUE RADIO CATALOG NO. 22 $2.00 POSTPAID

THE ANTIQUE RADIO RESTORATION HANDBOOK
PUETT ELECTRONICS
RADIO NEWS Super Heterodyne Book
THE APPRAISAL OF ANTIQUE RADIOS
SILVER GHOSTS
OLD TIME RADIO SHOWS
SHORT WAVE Radio Manual
RADIO APPARATUS
Radio Corporation
NEONTRON POWER TUBE "Standard for all sets"
THE CLASSIC RADIO COLLECTORS HANDBOOK
HOW TO ELECTRIFY YOUR RADIO SET
PHILCO PARTS
HOW TO MAKE WIRELESS RECEIVING APPARATUS
All About Aerials and Their Construction
With 12 Blue Prints.
PUBLISHED BY CONSOLIDATED RADIO CALL BOOK CO.

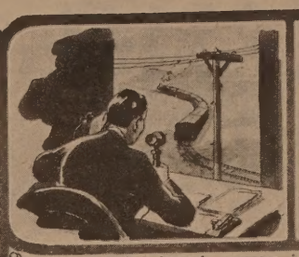
Radio News for April, 1926

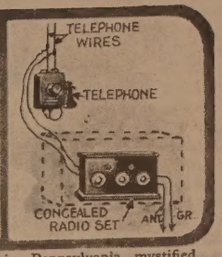
Radio Happenings of the Month Illustrated

By GEORGE WALL

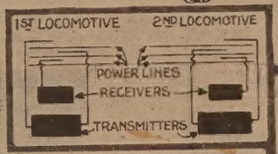


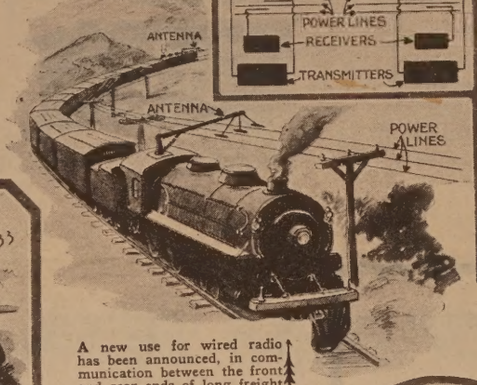
In a country district, where the local telephone exchange was closed after 9 P. M., a physician takes his telephone receiver off the hook and, by placing the horn of the loud speaker close to the transmitter of the phone, rebroadcasts radio concerts to the twenty-four parties on the same party line. All that is necessary, for any of the subscribers on the doctor's line to hear the music, is to lift their receiver from the hook and listen in.





A telegraph operator in Pennsylvania mystified radio experts for many months by saying that he received radio concerts from a distance over the telephone in the station, without the aid of any radio receiver. However, he recently admitted the whole thing to be a hoax, as he had connected a receiving set to the phone lines.

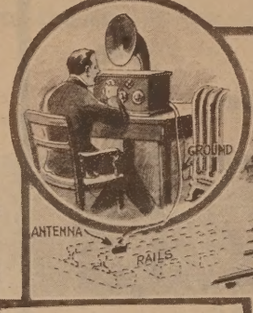


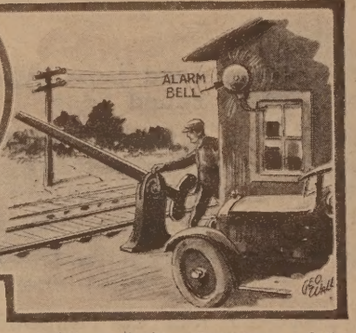


A new use for wired radio has been announced, in communication between the front and rear ends of long freight trains. Either code or voice may be used, although the latter is satisfactory only when the train is not in motion. Wave-lengths of 100 to 140 meters were used with 50 watts power, on a train half a mile long.

Darley Paskman, of WGBS, New York, took his own radio set with him and kept in touch with the station all the way down to Bermuda, where he also intends to listen in to certain of the features.

The latest converts to radio are the Eskimos. An explorer, who has just reurned from Labrador, says they chuckle at jazz and solemnly listen to speeches, even though they cannot understand the language.



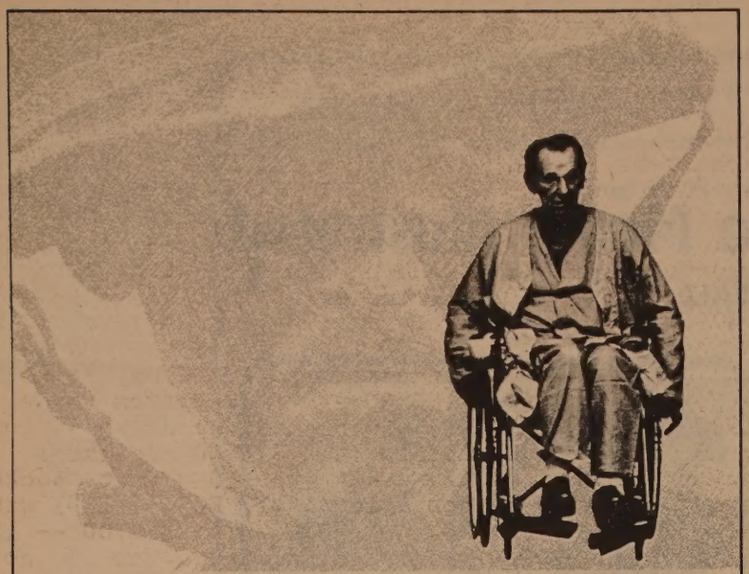


Because it was impossible for him to erect an antenna, a radio fan of Hillside, N. J., used a nearby railroad track instead of the usual wires. Reception was O.K., but every time the set was turned on the bell in the crossing watchman's hut rang, giving a false alarm of the arrival of a train. This system was not in use long.

A pet dog, who showed his dislike for radio programs by barking at the loud speaker, never barks during the Sunday sermons

A photographer was about to take a picture, in a broadcast station using super-power, when a wire he was holding touched his pan of flashlight powder, which exploded. The wire in his hand had picked up enough energy, radiated from the antenna, to set off the powder.

At Sheffield, England, a mouse stopped transmission when it entered a microphone and chewed up a coil. At the high-powered station at Daventry, England, another mouse got stuck between the main condenser plates of the transmitter and was electrocuted, stopping broadcasting for twelve minutes.



Nothing hurts like being forgotten

Visit a Hospitalized Vet

During the Week of **Feb. 14**

A Public Service of this Publication and the Veterans Administration

contact your Veterans Administration Hospital

Radio News for April, 1926

LOUD SPEAKER

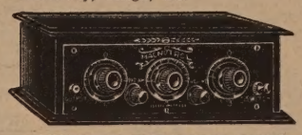
The loud speaker shown was submitted to the RADIO NEWS LABORATORIES for test, by The Goldsmith Corporation, 15 William St., New

York City. It is of unusual design and is capable of reproducing signals with unusually high quality.

AWARDED THE RADIO NEWS LABORATORIES CERTIFICATE OF MERIT NO. 1213.

RECEIVING SET

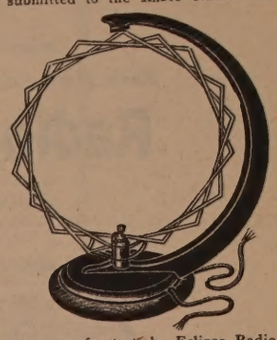
The receiving set shown was submitted to the RADIO NEWS LABORATORIES for test, by Magnus Electric & Radio Mfg. Corp., 797 E. 138th St., New York City, and found to possess the qualifications required for a receiver as regards sensitivity, selectivity, design, etc.



AWARDED THE RADIO NEWS LABORATORIES CERTIFICATE OF MERIT NO. 1194.

LOOP AERIAL

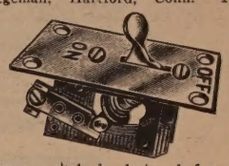
The unique loop aerial shown was submitted to the RADIO NEWS LABORATORIES for test, by Eclipse Radio Laboratories, Rock Island, Ill. It is of special construction, being wound in the most approved low-loss basket-weave form, thus giving a high degree of efficiency and enhanced directional property.



AWARDED THE RADIO NEWS LABORATORIES CERTIFICATE OF MERIT NO. 1172.

TRIGGER SWITCH

The switch shown in the illustration was submitted to RADIO NEWS LABORATORIES for test, by Hart & Hegeman, Hartford, Conn. This



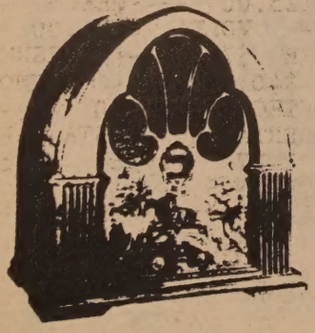
trigger switch is designed for use in any receiver to turn tubes on or off, each position being indicated on the switch. It is of neat and solid construction.

AWARDED THE RADIO NEWS LABORATORIES CERTIFICATE OF MERIT NO. 1121.

SIX REASONS FOR BEING ON THE MAILING LIST OF

The Old Radio Place:

- Hundreds of new and used tube types including old-style round tops
- Reprints of service literature and catalogs not available elsewhere, plus antique radio books from Vintage Radio, Vestal Press, etc.
- Radios, brass-base early tubes, etc. in our list of one-of-a-kind items.
- Reprints of 1926-27 NRI Correspondance Course--an Old Radio Place exclusive!
- Personalized service & Low Prices!



Send several first class stamps to get on our mailing list (flyers sent approx. quarterly).

THE OLD RADIO PLACE
616 Nelson Street
Rockville, MD 20850

Mailbox

Dear Sir;

Enclosed with this letter, a check for ($8.50) eight dollars and fifty cents for one year subscription plus cost of advertising.

It's good to begin 1984 with THE HORN SPEAKER sgain. What a coincidence. KDKA summer of 1920-21, I was eleven years old, listening to "code" from Boston Navy Yard with a crystal receiver, called "Wireless Telegraphy Receiver" when I heard a phonograph record with classical music, then heard a man's voice, "This is KDKA, East Pittsburgh Penn. This is the first radio broadcast of music. If you hear this, please drop us a line, Tell us where you are and how you are receiving this." I wrote and got a thank you note back. The next afternoon, the mayor of Revere, Mass. and City Council filed into our home, listened with the earphones and were

amazed. One or two skeptics thought I had a speaking tube in the basement. In 1924 or 25, I put on the first canned music dance at the local high school with music from a dance band at the Drake Hotel in Chiago, Illinois, using an amplifier (home made) with two Magnavox horn speakers and a 6 volt battery pot. Iv'e been in the radio business (expanding to television) since 1927--retiring in 1975. Best wishes for 1984.

Allan F. McKay
Manning Hill R3
Winchester, NH

CLASSIFIED

AD SPACE:
Full page.....$65.00
Half page.....$35.00
Quarter page..$20.00
Multiple runs....20% discount

AD RATE: 10 cents per word
20 cents per word for nonsubscribers
Photo ads: $5.00 extra
DEADLINE: 20TH OF THE PRECEDING MONTH

****
FOR SALE: NEW RADIO TUBES at old prices. Send a large SASE for the DCL (Dirt Cheap List), example 71A's for $3.75. Have Atwater Kent parts plus Bosch and FADA. Custom power supplies made for battery sets, send make and model for quote. Stan Lopes, 1201-74 Monument Blvd., Concordd, CA 94520.
****
TUBES. UNUSED, IN ORIGINAL cartons. Also filament and power transformers. Write needs, send S.A.S.E., Fala Electronics, Box 04134-13, Milwaukee, WI 53204.
****
OVER 100 RADIO ITEMS FOR SALE/ SWAP. SEND LARGE S.A.S.E. OFTEN FOR LIST. (UPDATED WEEKLY) JIM CLARK, 1006 PENDLETON, LANSING, MI 48917..
****
FOR SALE RADIO RIDER MANUALS, VOL. 1 TO 23, T.V. VOL. 1 TO 7. SEND SASE FOR LIST, CLARENCE STEVAHN, BX 576, WISHEK, ND 58495.
****
FOR SALE: ORIGINAL RCA SERVICE NOTES bound volumes. 1923-1928, 1929-1930, $15 each. 1931 through 1942, $10 each year. Or all 14 volumes for $125. Also RCA looseleaf tube handbooks, $30 for the set. Carleton Sarver, 256 West 88th Street, New York, NY 10024. (212) 874-3529.
****
FOR SALE: OVER 50 RADIOS FROM THE 20'S and 30's; AK's, Radiolas, crystal sets, communication receivers and many others. Also 28 volumes of Experimental Wireless and Wireless Engineer. Send SASE to: Daniel Voydanoff, 1141 Yorkshire, Grosse Pte. Park, MI 48230. (313) 886-4790
****
FOR TRADE: WE WILL TRADE REPAIR SERVICES and parts for radio sets made from 1930 to 1942, in return we need 2, 3, or 4 tube radios with "funny or strange" names on cabinets. We have thousands of tubes and other parts plus fifty years experience. James Fred, R1, Box 41, Cutler In 46920.
****
FOR SALE- CATHEDRAL, BATTERY AND A.C. RADIOS. SEND SASE. J. ALBERT WARREN, BOX 279, WAVERLY, PA 18471.
****
FOR SALE: MESCO 2" SPARK COIL, 200 BOXED PARTS, Loose Couplers: E.I. Co., Adams Morgan, Mesco Jr., Halcun navy type, W. E. 7A amp., Microphones, Keys, Sounders, Relays, SASE- Joe Horvath, W6GPB, 522 Third Street, San Rafael, CA 94901.
****
SMALL COLLECTION OF RADIOS AND early catalogs. Send S.A.S.E. for list. Paul Giganti, 2429 San Carlos Avenue, San Carlos, CA 94070.
****
FOR SALE: HIGH- VOLTAGE CAPACITORS for Hallicrafters T-54, 505, and other similar TV's. sold only in sets: two .0005 mF, two .001 mF, and two .03 mF. Tubular type, new. $30.00 per set, postpaid. Limited quanity. Carleton Sarver, 256 West 88th Street, New York, NY 10024. (212) 874-3529.
****
FOR SALE: WESTERN ELECTRIC 215A's tubes. $15.00 each new in sealed box, Lee Williams, 22026 3 pl west, Bothell, WA 98021.
****
"ALL ITEMS LISTED ARE UNTESTED UNLESS OTHERWISE STATED. BATTERY SETS ARE WITHOUT TUBES. CODE: (A) MINT, (B) VERY GOOD, (C) FAIR, (D) POOR. $1.00 EACH FOR BLACK AND WHITE PICTURES. ADD 15% FOR SHIPPING (EXCESS WILL BE REFUNDED) --- 1. Crosley 61 (p. 75 FOS) (D) $20.00 -- 2. Crosley 50 (A-B) $85.00 -- 3. Crosley Fiver Roamio car radio, 1930's $35.00 (B) -- 4. DeForest T-200 tuner facsimile with mostly original parts $175 (B) -- 5. Federal Orthosonic type H with original instructions $90 (A) -- 6. Fe'dstern - McCuskr lectron model VIII 3 dialer $50 (B) -- 7. Ellsworth cathedral, very early, corner moulding chip (B-C) $85.00 -- 8. Grebe Synchrophase MU1 with Grebe 'B' eliminator $175 (B) -- 9. Isofarad large 3 dialr (C-D) $40.00 -- 10. Majestic cathedral model 50 on legs (B) $150.00 -- 11. Magnavox model T 1925 "works in a drawer" floor model (A) $75.00 (pickup) -- 12. RCA BP-10 (1st pocket portable 1941, FOS p. 157) with leather case (A) $40.00 -- 13. Radio Engineering Lab 3 coil unit $20.00 -- 14. Westinghouse WR12 columair grandfather clock (B-C) $50.00 (pickup) -- 15. sparton AC62 with 5 rare Kellogg 401 tubes (B) $175.00 -- 16. Salad bowl horn spaker, novelty homebrew $25.00 -- 17. Zenith 1936 black airplane dial set 6S 229 (C) $45.00 -- 18. Zenith Transoceanic 8G005yT, FOS p. 195 (B) $85.00 -- 19. Zenith Transoceanic H500, no tubes, (D) $25.00 -- 20. Zenith 6G650 loctal portable $35.00 (B) -- 21. Zenith 5G500 loctal portable $35.00 (B) -- 22. Zenith 5G504 loctal portable, mint (A) $45.00 -- 23. Zenith 5G401, FOS p. 194, $55.00. ---- Mel Rosenthal, 507 S. Maryland Avenue, Wilmington, DE 19804. (302) 994-0874.
****
CROSLEY PUP $195.00 -- CROSLEY 51 $75.00 -- 51 PORTABLE $125.00 -- TRAVELER PORTABLE $95.00 -- PILOT 3 INCH TV $140 -- TELEVISION MAGNIFIER ON STAND $65.00 -- RA TUNER, NO BOX $60.00 -- HORN SPLITDORF $65.00 -- ETHOVOX $75.00 -- MESCO $75.00 -- AK MODEL L, NO REPRODUCER $35.00 -- STROMBERG CARLSON 1A $75.00 -- MUSIC MASTER CRACKED BELL $60.00 -- MAGNAVOX M3 $75.00 - RCA 103 $60.00 -- SLEEPER MONOTROL LOOP ANTENNA $35.00 ------ CRYSTAL SETS -- PANDORA $125.00 -- MONARCH $125.00 -- WEECO GEM $100.00 -- VOLTA $125.00 -- RADIO WONDER $75.00 -- FRESHMAN DETECTOR $40.00 -- UNKNOWN FACTORY DETECTOR $30.00 ------ ANTHONY CASERTA, 47 VISTA LANE, LEVITTOWN, NY 11756. (516) 731-7175 EVENINGS.
****
FOR SALE: RCA 7DP4 kinescope, used tests good, for 621TS, $50.00. Channel selector knob for 621TS or 630TS, $15.00. Kinescope rubber mask for TRK9,

(see page 11)

Messrs. The Horn Speaker
Box 53012
DALLAS Texas 75253

Ladies and gentlemen,

I herewith have pleasure in informing you that on 1.3.1984 a special sale by Auction will take place at Christie's in London.-

This exclusive sale includes a great number of early (before 1930) radio receivers, crystal sets, loud speakers, transmitters, telegraph sets, rare valves, World War I military radio equipment(used in the trenches), a complete Baird Televisor, a rare Pointer telegraph etc.

Makers among others : Marconi, Atwater Kent, Loewe, G.E.Co., Telefunken, Burndept, Brown, Radiola, BTH, Lumophon, Gecophone, Ducretet, Seibt, Pye.-

For an illustrated catalogue you may apply to Messrs. Christie's 85 Old Brompton Road, London SW 7 - Tel: 01-581 2231 c/o Mr. Proudfoot, mentioning : Sale collection Ritman on 1.3.1984.-

For further free information re this unique collection - belonging to Mr. T. Ritman, Kamerik, an important collector of vintage radio here in Holland - please write to the curator: E.J.M. Stoer, Linnaeusparkweg 27, 1098 CN Amsterdam(The Netherlands).-

Sincerely,

E.J.M. Stoer - Curator Ritman collection.

Amsterdam, 5.1.84

$40.00. Postpaid. Carleton Sarver, 256 West 88th Street, New York, NY 10024. (212) 874-3529.

****

TUBE COLLECTION FOR SALE INCLUDING 01A's (36), 199's (9), 24's (38) 26's (16), 45's (24), 80's (16) and loctals (100 plus). Many are new in the box. Approximately 1600 radio tubes and 2000 TV tubes. Radio tubes - $350; TV tubes - $100; or entire lot for $400 plus shipping. Call or write for more info. Bill Gardenour, 620 Lund Circle, Melbourne, FL 32901. (305) 727-8429.

****

2 BATTERY RADIOS - FADA - R60 UNIT, wooden table model 460A with loop antenna $85.00. Small Radiola console $85.00. Also - 30 early electric sets - console and table models 1927-1933. some old tubes - some auto radios. Send SASE - A. Mackay, Manning Hill - R 3 - Winchester, NH 03470.

****

HALLICRAFTER SX-16 SUPER SKY RIDER $175 -- METRODYNE SUPER SIX BATTERY RADIO $100 -- RCA RADIOLA 44 $60 -- WESTERN COIL AND ELECTRIC RADIODYNE WC-17 BATTERY SET $75 -- RCA UZ-1325 SPEAKER $65 -- ALSO BOOKS AND MAGAZINES. SEND LARGE 2 STAMP S.A.S.E. FOR COMPLETE AND UP TO DATE PHOTO LIST. RON BOUCHER, 376 CILLEY ROAD, MANCHESTER, NH 03103, (603) 669-1698.

****

FOR SALE: OLD RADIOS AND TEST EQUIPMENT, SEND LONG S.A.S.E. FOR PICTURE PRICE LIST. JOHN MARTIN, 817 COOK AVENUE, BILLINGS, MT 59101 (406) 252-4287.

****

KENNEDY 110, BEST OFFER. WANT CROSLEY. 515, 752, 3860; CRAIG, 1412 W. LINN, MARSHALLTOWN, IA 50158.

****

FOR SALE: 14 PAGE LIST OF RADIO magazines, catalogs; literature available March 1984. Send $1.20 in stamps or money to: Gary Schneider, 9951 Sunrise Blvd., #R-9, North Royalton, OH 44133.

****

SELLING RADIO COLLECTION. Send S.A.S.E. for list of radio magazines and books. D. Harrison, 714 N. Hague Avenue, Columbus, OH 43204. Phone (614) 279-4619. No -- collect calls, please.

****

DX CRYSTAL, ONE TUBE sets, kits, plans, handbooks, coils, supplies. Obsolete tube quotations. Catalog $1.00; none free. Laboratories, 1477-H , Garden Grove, CA 92642.

****

TUBES FOR EARLY ELECTRIC RADIOS. SASE FOR FREE PRICE LIST. SAM FAUST, CHANGEWATER, NJ 07831.

****

HOMEBREWERS- 1/8" glossy black bakelite panels any size. two 20 cent stamps for sample. BOB, W6ME, 4178 CHASIN STREET, OCEANSIDE, CA 92056. PS, NEED TUNING CONDENSERS FOR NATIONAL SW-5.

****

Wanted

WANTED: EARLY BATTERY RADIO PARTS, ALSO JUNKER PANELS/ BASEBOARDS FOR STRIPPING. BROKEN PANELS OK, BUT DO NOT WANT ANY CABINETS. SEND LIST AND PRICES TO: BOB, W6ME, 4178 CHASIN STREET, OCEANSIDE, CA 92056

WANTED: 1 TUBE SETS, CRYSTAL SETS, GREBE CR EQUIPMENT. RAY GARNER, ROUTE 1, BOX 320, BIG SANDY, TN 38221.

ELECTRO- MEDICAL AND QUACK DEVICES, BOOKS WANTED. INTERESTEDD IN FLOOR MODELS ANDS IN DEVICES WITH MULTIPLE KNOBS RESEMBLING RADIOS BUT WHICH ARE NOT RADIOS. I AM ALREADY SATURATED WITH VIOLET RAY DEVICES, SIMPLE 4D BATTERIES. PLEASE DESCRIBE AND PRICE. OLE LINDAN, 1404 DORSH ROAD, CLEVELAND, OH 44121

DETROLA PEEWEE MODEL 219 c. 1939 and MAJESTIC Model 5AK711 c. 1947. Both are small AC/DC plastic sets. J.W.F. Puett, Box 28572, Dallas, TX 75228.

HALLICRAFTERS S-40 SERIES, S-52 and S-77 receivers. Please list condition, appearance, modifications, price. Fala Electronics, Box 04134-13, Milwaukee, WI 53204

PHOTOCOPIES OF ANY LITERATURE ON THE PHILHARMONIC RADIO CORPORATION FROM 1936 TO 1943 AND SERVICE DATA FOR FISHER RADIO RECEIVERS FROM 1946 TO 1949. ALSO, TECHNICAL DATA FOR FISHER MODELS R2 AND TV5. J.W.F. PUETT, BOX 28572, DALLAS, TX 75228.

WANTED PHILCO CATHEDRALS, SERVICE DATA, ADVERTISING, PARTS, ETC. ANYTHING I CAN USE FROM 1930'S. R. J. REINOLD, 260 RIVER ROAD, WINTHROP, MA 02152. (617) 846-0589.

DIAL LIGHT HOOD FOR RADIOLA 18. M.G. TURPIN, 1809 BRUNETTE AVENUE, COQUITLAM, B.C., CANADA. V3K 1H3.

-WANTED DE FOREST RADIOS, also McMURDO SILVER and post 1932 Atwater Kent table model sets. Signs, ads and lit. for above. Give price wanted in first letter with clear photo for fast cash. Arthur Axelman, 19656 Weeburn Lane, Tarzana, CA 91356.

WANTED- RADIOLA 33 LID, PHILCO 77 chassis or interstage transformer, information or schematic for Stewardyne 6-tube battery set with maguetrole control. Jim Conaway, 709 Halstead Road, Wilmington, DE 19803 (302) 478-5815

WANTED: STROMBERG CARLSON 3 BAND RECEIVER. MODEL 240W OR EQUIVALENT CHASSIS. APPROXIMATELY 1937 MODEL, WITH OR WITHOUT CABINET. GEORGE LONG, 1500 HIGHLAND AVENUE, MANHATTEN BEACH, CA 90266.

WANTED: INSTRUCTION MANUAL (OR COPY OF) FOR GENERAL RADIO CO. IMPEDANCE BRIDGE MOD. 650. 2 COILS FOR A.K. MOD. 12 B.B. CAB. FOR KENNEDY XV. JOHN MARTIN, 817 COOK AVENUE, BILLINGS, MT 59101. (406) 252-4287.

WANTED: INTERNATIONAL KADETTE JR. POCKET RADIO. SEE F.O.S. P. 101. KRIS GIMMY, 1441 NOTTINGHAM, AIKEN, SC 29801

FEDERAL B30 TUNING CONDENSER, base for Music Master horn, MU20 Daven tube, Vocarola speaker, Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432.

WANTED- SCHEMATIC FOR DeFOREST Interpanel pg. 83 V.R., Tube cover for Radiola 26. Philco model 18 chassis, Case for Federal 110, front panel for Grebe MU-1. Lee Williams, 22026 3 PL West, Bothell, WA 98021.

SCHEMATIC FIVE TUBE BATTERY RADIO REMINGTON TRF, BOB WEAMER, 390 EAST FOSTER, SANTA MARIA, CA 93455. (805) 937-3157

CROSLEY VI main dial reostat and knob ant. coil or complete set also Kennedy 521 amplifier, Bob Taylor, 4450 Halls Mill Road, Mobile, AL 36609

FEBRUARY

THE HORN SPEAKER

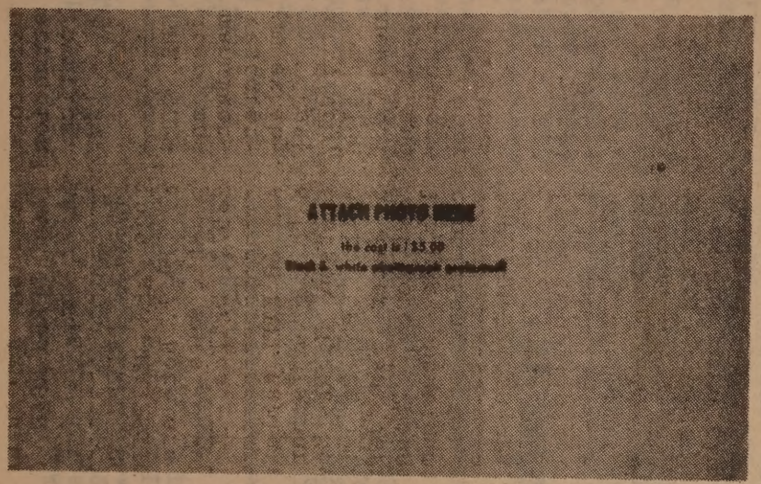
1984

1923 microphone

ART B CORBUS
5704 11TH AVE NW
SEATTLE WA -98107
**5584
73

THE HORN SPEAKER PHOTO AD

SELLS
THE EASY INEXPENSIVE WAY



$5.00

Box 53012, Dallas, Texas 75253

Classified ad only 10 cents per word. Photo ad $5.00 extra.